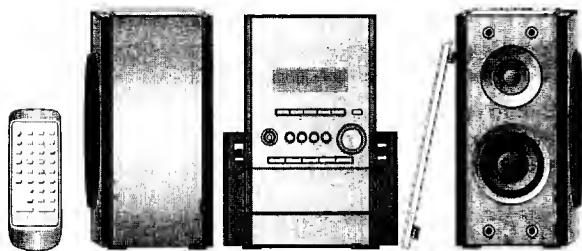# CD Stereo System

Operating Instructions

Model No. **SC-PM27**
SC-PM17

The illustrations show SC-PM27.

COMPACT
disc
DIGITAL AUDIO

№22582

APPROVED

	Checked	Prepared
Q0-R & D	AUDIO R&D	AUDIO R&D
17 APR 2002	16 APR 2002	16 APR 2002
	LAU	SHUFFIAN

...VIDEO (M) SDN BHD
ENGINEERING

Panasonic

Note:
"EB" on the packaging indicates the United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

E EB GN

RQT6398-B

Dear customer

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.

These operating instructions are applicable to the following system. These operating instructions, however, fundamentally explain the operation of system SC-PM27.

System	SC-PM27	SC-PM17
Main unit	SA-PM27	SA-PM17
Speakers	SB-PM27	SB-PM17

Back of product
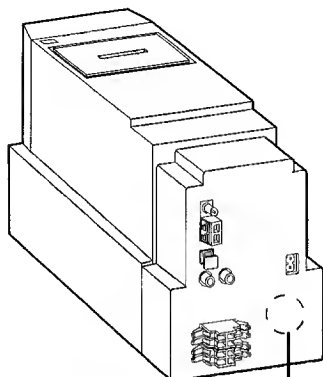
CLASS 1
LASER PRODUCT

LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VAROI	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN

Inside of product
Tuotteen sisällä
Produktets innside

Table of contents

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

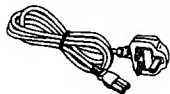DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMAFORHOLD.

Supplied accessories

Please check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacement parts.

☐ **AC mains lead** . . . . 1 pc.

For United Kingdom (VJA0733)

For Australia and N.Z. (RJA0035-X)

For Continental Europe (RJA0019-2K)

☐ **AM loop antenna** . . . . 1 pc.
(RSA0033A-1)
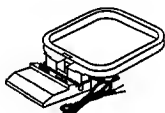
☐ **FM Indoor antenna** .1 pc.
For Europe   **For Others**
(RSA0007-L)   **(RSA0006-L)**
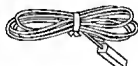
☐ **Remote control transmitter** . . . . 1 pc.
SC-PM27 : (EUR648265)
SC-PM17 : (EUR648264)

☐ **Remote control batteries** . . . . 2 pcs.

☐ **Antenna plug adaptor** . . . . 1 pc.
For United Kingdom only
(SJP9009)

Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.

Place it at least 15 cm away from wall surfaces to avoid distortion and unwanted acoustical effects.

Do not place heavy items on the unit.

Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other place where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction.

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

Before use

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⬦ or the BSI mark ▽ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

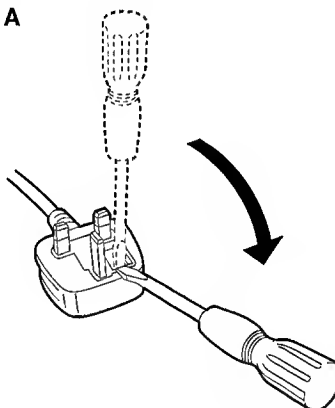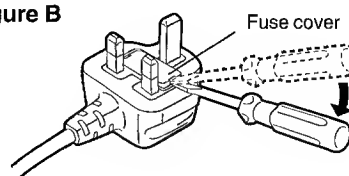1. Open the fuse cover with a screwdriver.

Figure A

Figure B — Fuse cover

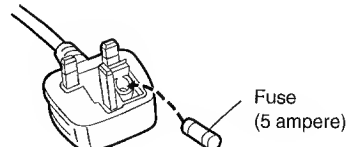2. Replace the fuse and close or attach the fuse cover.

Figure A — Fuse (5 ampere)

Figure B — Fuse (5 ampere)

A

R6, AA, UM-3

B

Remote control signal sensor

30° 30°

Transmission window

About 7 meters in front of the signal sensor.

C

SC-PM27

Super woofer
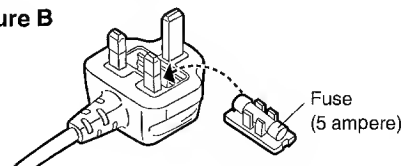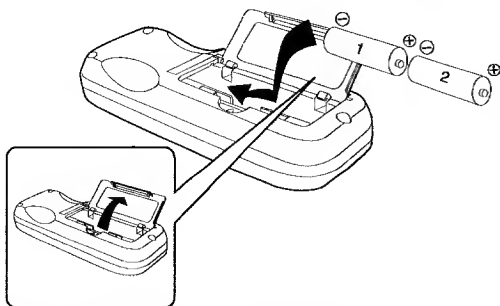
SC-PM17

The remote control

A Battery installation

Use of batteries

- Align the poles (+ and −) properly when inserting the batteries.
- Do not mix old and new batteries or different types of batteries.
- Do not recharge ordinary dry cell batteries.
- Do not heat or disassemble the batteries. Do not allow them to contact flame or water.
- Remove the batteries if the unit is not to be used for a long time.
- Do not keep together with metallic objects such as necklaces.
- Do not use rechargeable type batteries.
- Do not use batteries if the covering has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.
If electrolyte leaks from the batteries, consult your dealer.
Wash thoroughly with water if electrolyte comes in contact with any part of your body.

B Correct method of use

Operation notes

- Do not place obstacles between the remote control signal sensor and remote control unit.
- Do not expose the remote control signal sensor to direct sunlight or to the bright light of a fluorescent light.
- Take care to keep the remote control signal sensor and the end of the remote control unit free from dust.
- If this system is installed in a rack with glass doors, the glass doors' thickness or color might make it necessary to use the remote control unit a shorter distance from the system.

To prevent damage

- Do not place heavy items on the remote control.
- Do not disassemble or reconstruct.
- Do not spill water or other liquids on the remote control.
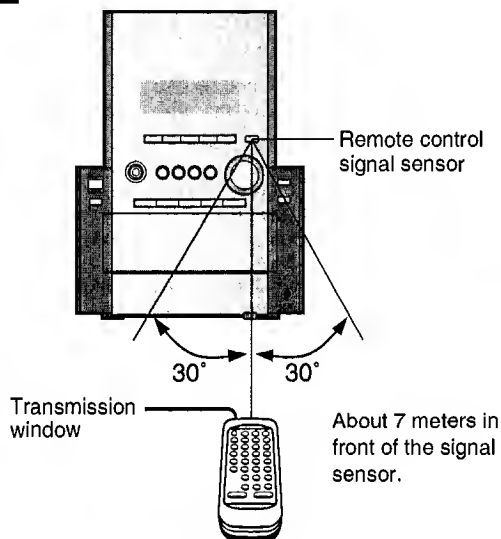
C Placement of speakers

SC-PM27

Place the speakers so that the super woofer is on the outside.

SC-PM17

Speakers are designed identically so that no left or right channel orientation is necessary.

Notes
- Keep your speakers at least 10 mm away from the system for proper ventilation.
- SC-PM27 only
  The super woofers are located on the sides of the speakers. Leave 10-cm clearance for them to be effective.
- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.
- To avoid damage to the speakers, do not touch the speaker cones if you have taken the nets off.

RQT6398

(R) — 1, 2

(L)

3

4 → To household mains socket

1 For Europe — For Others

Adhesive tape

FM indoor antenna

FM ANT 75 Ω
AM ANT
LOOP
EXT

① FM ANT 75 Ω ②
GND
AM ANT
LOOP
EXT

2 For Europe — For Others

FM ANT 75 Ω
AM ANT
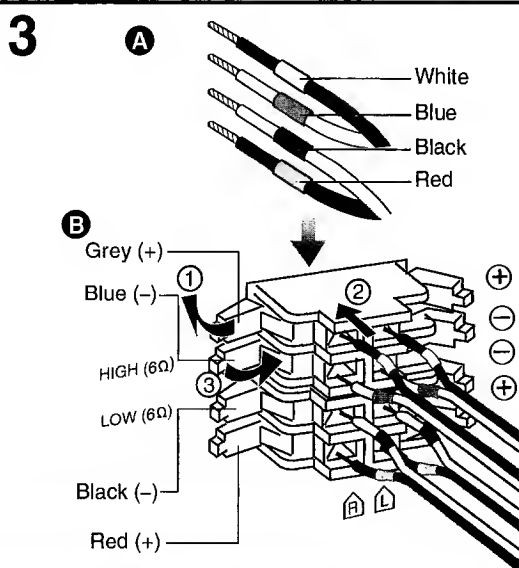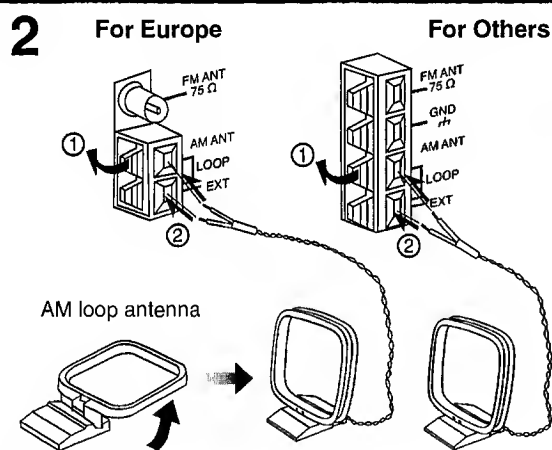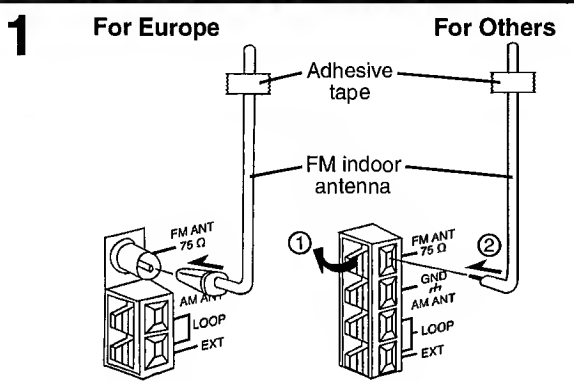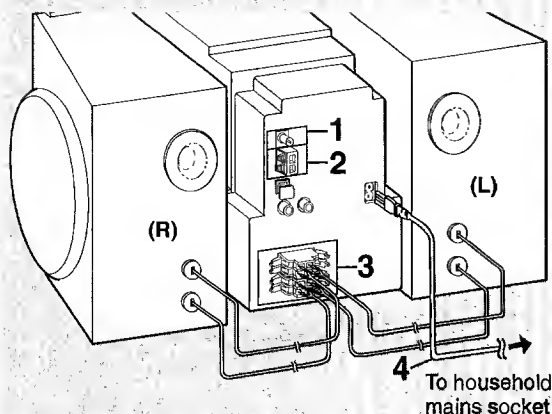LOOP
EXT
① ②

FM ANT 75 Ω
GND
AM ANT
LOOP
EXT
① ②

AM loop antenna

3 Ⓐ

White
Blue
Black
Red

Ⓑ

Grey (+)
Blue (–) ①
HIGH (6Ω) ③
LOW (6Ω)
Black (–)
Red (+)

② ⊕ ⊖ ⊖ ⊕

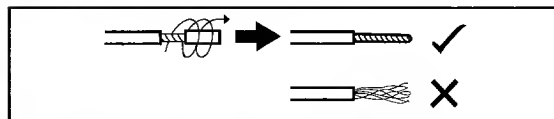Ⓡ Ⓛ
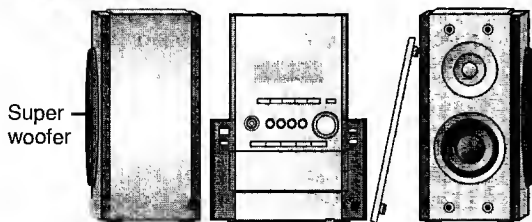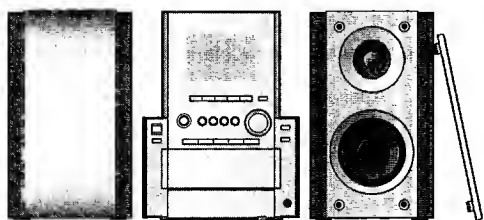
Connections

- Plug the AC mains lead into a household mains socket only after all other connections have been made.
- To prepare the AM loop antenna wire and speaker cords, twist the vinyl cover tip and pull off.

✓
✗

1 Connect the FM Indoor antenna.
Tape the antenna to a wall or column, in a position where radio signals are received with the least amount of interference.

Note
For the best reception:
An FM outdoor antenna is recommended. (➡ page 7)

2 Connect the AM loop antenna.
Stand the antenna up on its base. Keep loose antenna cord away from other wires and cords.

3 Connect the speaker cables.
Ⓐ Confirm the colors of the tags on the ends of the cords.
Ⓑ For White tags:
Connect cords to grey terminals.
For Blue, Black and Red tags:
Connect cords so tag colors match the terminal colors.
Cords with white and blue tags are for high frequency.
Cords with red and black tags are for low frequency.

Incorrect connection can damage the unit.

Caution
Use only the supplied speakers.
The combination of the main unit and speakers provide the best sound. Using other speakers can damage the unit and sound quality will be negatively affected.

Caution
- **Use the speakers only with the recommended system.**
Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.
- **Do not attach these speakers to walls or ceilings.**

---

4 Connect the AC mains lead.

FOR UNITED KINGDOM ONLY
READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 4 BEFORE CONNECTION.

Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.

However there is no problem using the unit.

Appliance inlet — Connector

Approx. 3.5 mm
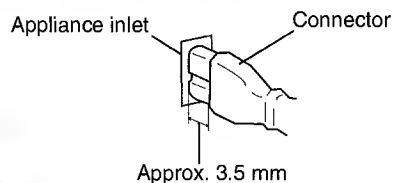
Note
The included AC mains lead is for use with this unit only. Do not use it with other equipment.

A For Europe

FM outdoor antenna (not included)

75Ω coaxial cable (not included)

(Only for United Kingdom) Use the antenna plug adaptor (included).

For Others

FM outdoor antenna (not included)

75Ω coaxial cable (not included)

① → 30 mm

② — Shield braid
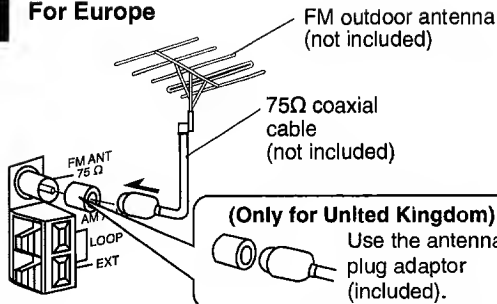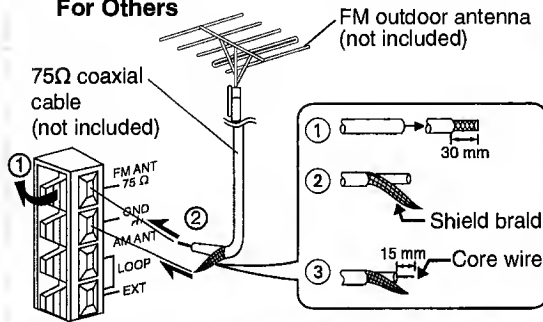
③ 15 mm — Core wire

B For Europe

AM outdoor antenna (not included)

←5-12m→

AM loop antenna (included)

For Others

AM outdoor antenna (not included)

←5-12m→

AM loop antenna (included)

C

(R)

(L)

"LINE OUT" position

Analogue player (not included)

AUX

Rear panel of this unit

D

Rear panel of this unit

Optical fiber cable (not included)

OPTICAL OUT

OPTICAL OUT   OPTICAL OUT

OPTICAL IN

Receiver (not included)
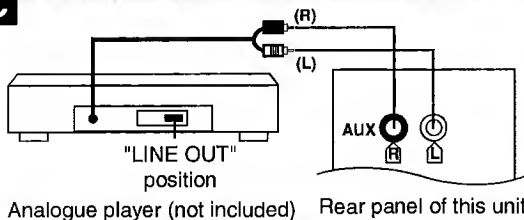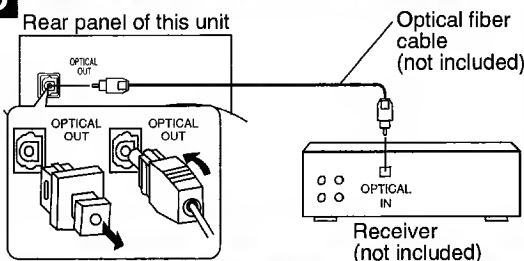
Connections

Optional antenna connections

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

A   FM outdoor antenna

Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

Note

An outdoor antenna should be installed by a qualified technician only.

B   AM outdoor antenna

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

Note

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

External unit connections

• Make sure that the power supply for all components has been turned off before making any connections.
• For details, refer to the operating instructions of the unit which is to be connected.
• All peripheral components and cables sold separately.

C   Connecting analogue equipment

This example shows how to connect an analogue player with a PHONO OUT/LINE OUT switch.
When units other than those described are to be connected, please consult your audio dealer.

Note

• Only an analogue player with a built-in phono equalizer can be connected.
• Set the switch to the "LINE OUT" position at the back of the analogue player.

D   Connecting digital equipment to the optical fiber out terminal (For SC-PM27 except Australia and N.Z.)

Remove the dust-protection cap and connect this unit to other digital equipment with an optical fibre terminal, such as a receiver or digital surround processor.

• Leave the cap attached when this terminal is not being used.
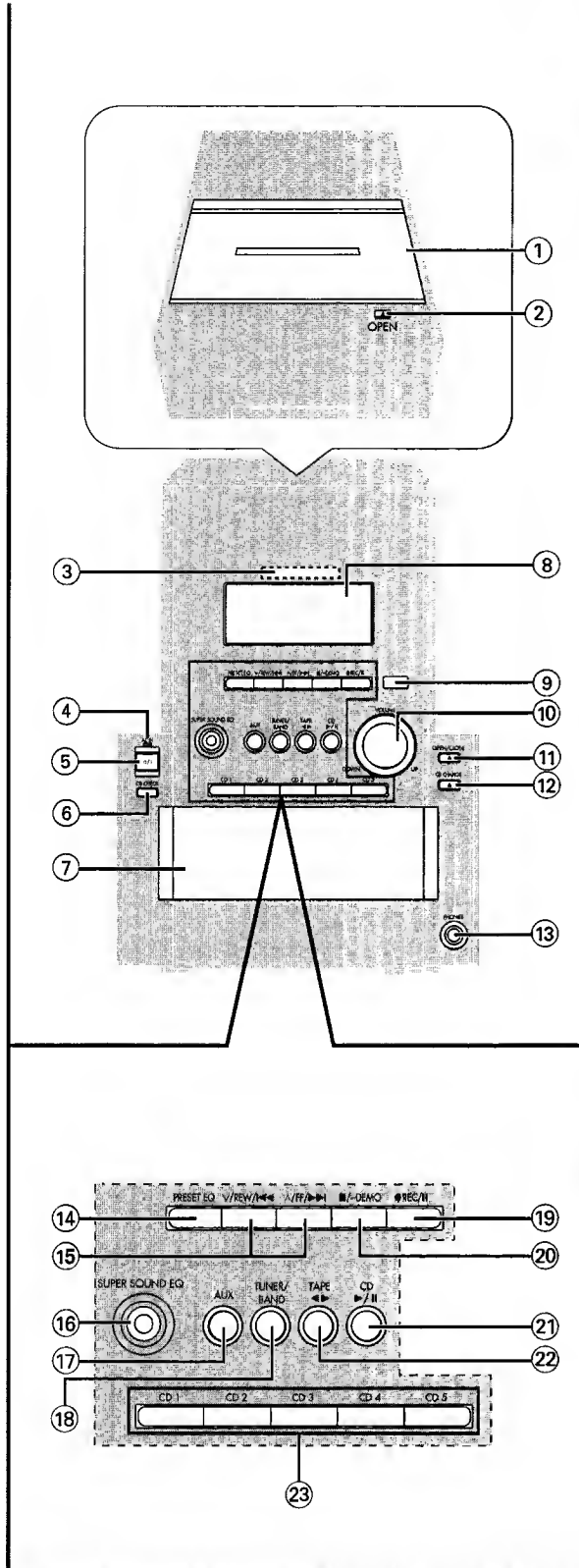
Front panel controls

Main unit

① **Cassette lid**

② **Cassette open button (≜ OPEN)** 17

③ **Tape indicator**
This indicator changes in the following manner:

ⓐ Orange (when no cassette is inserted.)

ⓑ Green (when cassette is inserted.)

ⓒ Red (when in recording mode.)

④ **AC supply indicator (AC IN)**
This indicator lights when the unit is connected to the AC mains supply.

⑤ **Standby/on switch (⏻/I)**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

⑥ **CD check button (CD CHECK)** 13

⑦ **CD trays**

⑧ **Display**

⑨ **Remote control signal sensor**

⑩ **Volume control (VOLUME DOWN, UP)** 10, 12, 17

⑪ **CD tray open/close button (≜ OPEN/CLOSE)** 12

⑫ **CD change button (≜ CD CHANGE)** 13

⑬ **Headphone jack (PHONES)** 21

⑭ **Preset EQ select button (PRESET EQ)** 21

⑮ **CD skip/search, tape fast-forward/rewind/TPS, tune/ preset channel select, time adjust buttons**
(∨/REW/I◀◀, ∧/FF/▶▶I) 10, 11, 12, 18, 23

⑯ **Super sound EQ button (SUPER SOUND EQ)** 21

⑰ **Aux button (AUX)** 21

⑱ **Tuner/band select button (TUNER/BAND)** 10

⑲ **Recording start/pause button (● REC/II)** 19

⑳ **Stop/program clear and demonstration button**
(■/–DEMO) 12, 16, 17, 22

㉑ **CD play/pause button (▶/II CD)** 12

㉒ SC-PM27
Tape play/direction button (◀ ▶ TAPE) 17
SC-PM17
Tape play button (▶ TAPE) 17

㉓ **Disc direct play buttons (CD 1~CD 5)** 12

Remote Control

Buttons such as **⑤** function in exactly same way as the buttons on the main unit.

㉔Sleep timer/auto off button
  (SLEEP, –AUTO OFF) 22, 25
㉕Numeric buttons (≧10, 1–9, 0) 11, 15
㉖Display button (DISPLAY) 10, 15
㉗Dimmer button (DIMMER) 23
㉘Clock/timer button (CLOCK/TIMER) 23, 24, 25
㉙Play timer/recording timer button
  (⏻PLAY/⏻REC) 24
㉚Disc button (DISC) 14
㉛CD Program/clear, tuner preset button
  (PROGRAM) 11, 16
㉜Play mode select button
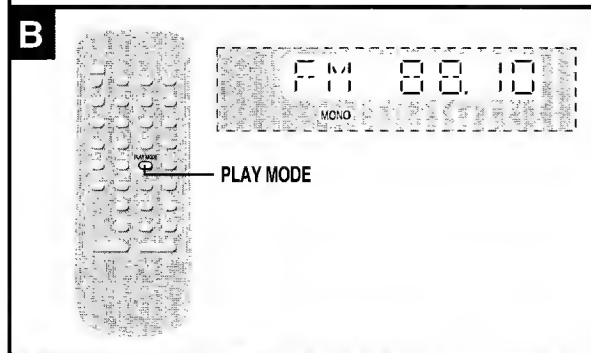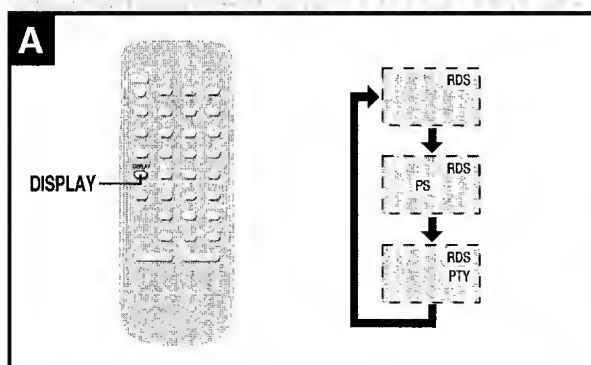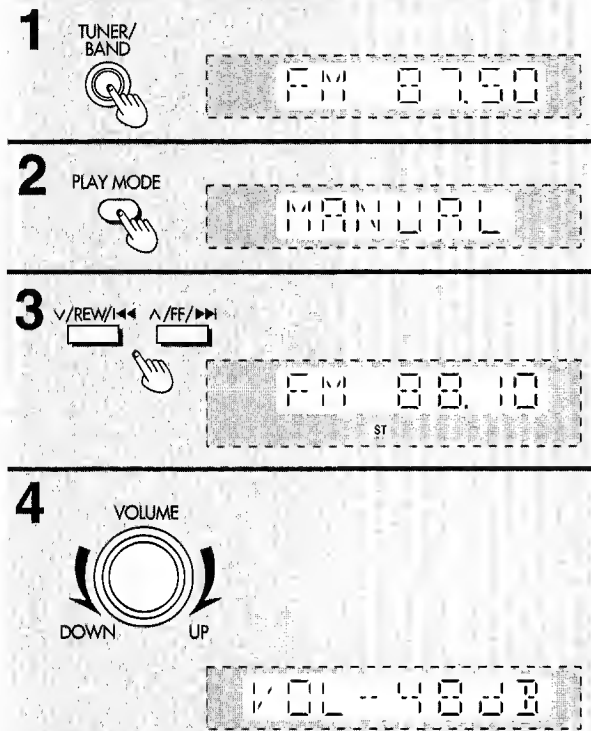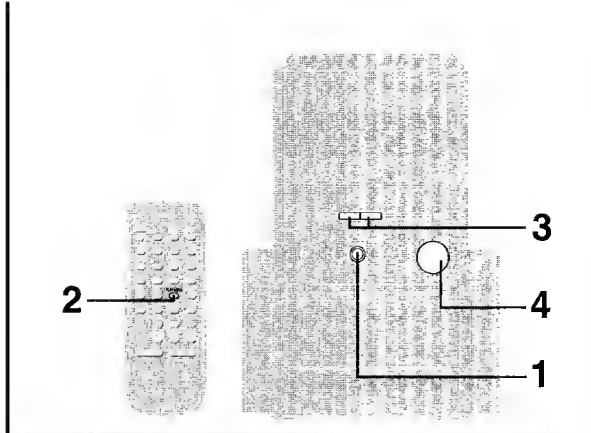 **(PLAY MODE)** 10, 14, 15, 17, 19

  Use this for selecting repeat mode, CD play mode, tune mode, FM mode, AM beat proof function and tape reverse mode (SC-PM27 only).

㉝Stop/program clear button (■/CLEAR) 12, 16, 17
㉞Muting button (MUTING) 23
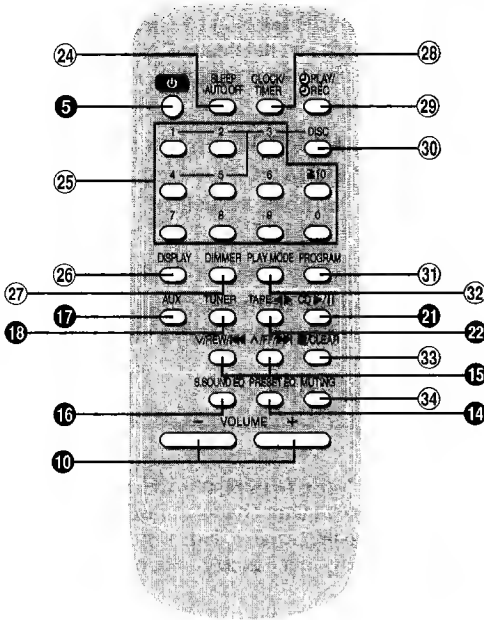
The radio: manual tuning

1 Press [TUNER/BAND] to select "FM" or "AM".
The unit comes on automatically.
Every time you press the button:
FM ↔ AM

2 Press [PLAY MODE] on the remote control to select "MANUAL".
Every time you press the button:
MANUAL ↔ PRESET

3 Press [∨/REW/I◄◄] or [∧/FF/►►I] to select the frequency of the required station.
"ST" is displayed when a stereo FM broadcast is being received.

4 Adjust the volume.

1 TUNER/BAND

FM 87.50

2 PLAY MODE

MANUAL

3 ∨/REW/I◄◄   ∧/FF/►►I

FM 88.10
ST

4 VOLUME
DOWN   UP

VOL -46dB

Auto tuning
Press and hold [∨/REW/I◄◄] or [∧/FF/►►I] for a moment until the frequency starts changing rapidly. The unit begins auto tuning, stopping when it finds a station.
• Auto tuning may not function when there is excessive interference.
• To cancel auto tuning, press [∨/REW/I◄◄] or [∧/FF/►►I] once again.

A RDS broadcasting (For Europe)

By remote control only
This unit can display the text data transmitted by the radio data system (RDS) available in some areas.
If the station you are listening to is transmitting RDS signals, " RDS " will light up on the display.

Displaying the name of a broadcasting station or a program type
Press [DISPLAY].
Every time you press the button:

Frequency display → Station Name (PS) → Program type (PTY)

A DISPLAY

RDS
RDS PS
RDS PTY

Program type displays			
NEWS	VARIED	FINANCE	COUNTRY
AFFAIRS	POP M	CHILDREN	NATIONAL
INFO	ROCK M	SOCIAL A	OLDIES
SPORT	M.O.R M*	RELIGION	FOLK M
EDUCATE	LIGHT M	PHONE IN	DOCUMENT
DRAMA	CLASSICS	TRAVEL	TEST
CULTURE	OTHER M	LEISURE	ALARM
SCIENCE	WEATHER	JAZZ	

Notes
• RDS displays may not be available if reception is poor.
  * "M.O.R M"="Middle of the road music"
• Sound is momentarily interrupted if you load/unload tapes while listening to an AM broadcast.

B If noise is excessive in FM

By remote control only
Press and hold [PLAY MODE] to display "MONO".
This mode improves sound quality if reception is weak, but broadcasts will be heard in monaural.
Press and hold [PLAY MODE] again to cancel the mode.
"MONO" goes out. MONO is also cancelled if the frequency is changed.
Turn off "MONO" for normal listening. Stereo and monaural broadcasts are automatically played as they are received.

B

FM 88.10
MONO

PLAY MODE

PROGRAM
TUNER
∨/REW/I◄◄, ∧/FF/►►I

A

PROGRAM

F M 88.90

PGM

B

PLAY MODE
∨/REW/I◄◄, ∧/FF/►►I

1

2

1

1 2 3
4 5 6 ≧10
7 8 9 0

Preset channel

CH 2

2

− VOLUME +

The radio: preset tuning

<u>By remote control only</u>

There are two methods of pre-setting stations.
Automatic presetting: All the stations the tuner can receive are preset.
Manual presetting: You can select the stations to pre-set and the order they are preset in.
Up to 15 stations each can be set in the FM and AM bands.
Preparation:
Press [TUNER] to select "FM" or "AM".

A   Automatic pre-setting

Do the following once each for FM and AM.
Preparation:
Tune to the frequency where pre-setting is to begin (➡ page 10).
Press and hold [PROGRAM].
The tuner presets all the stations it can receive into the channels in ascending order. When finished, the last station memorized is tuned in.

Manual pre-setting

Pre-set the stations one at a time.
① **Press [PROGRAM] then press [∨/REW/I◄◄] or [∧/FF/►►I] to tune to the required station.**
② **Press [PROGRAM] then press [∨/REW/I◄◄] or [∧/FF/►►I] to select a channel.**
③ **Press [PROGRAM].**

The station occupying a channel is erased if another station is preset in that channel.

B   Selecting channels

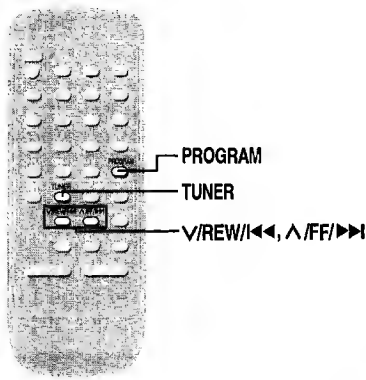**1** **Press the numeric buttons to select the channel.**
For channels 1 to 9, press the corresponding number.
For channels 10 to 15, press [≧10], then the two digits.
OR
① **Press [PLAY MODE] to select "PRESET".**
② **Press [∨/REW/I◄◄] or [∧/FF/►►I] to select the channel.**

2 **Adjust the volume.**

Listening operations

■/–DEMO
∨/REW/I◀◀, ∧/FF/▶▶I
(CD 1) ~ (CD 5)

1 OPEN/CLOSE

Label must face upward.

Disc tray

2 CD ▶/II

CD indicator

Track number   Elapsed playing time

3 VOLUME

DOWN   UP

A ⓐ
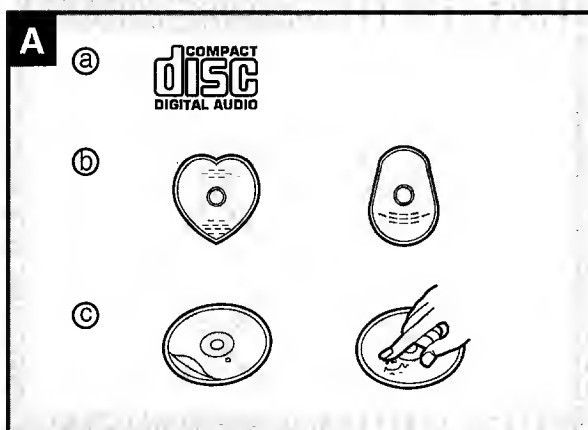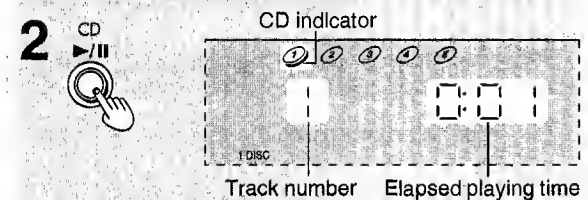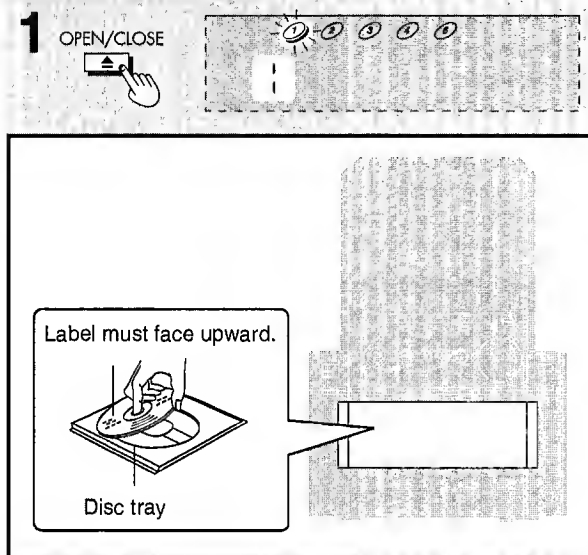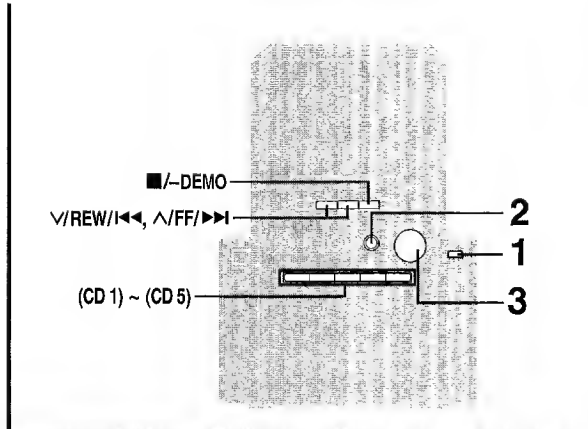
ⓑ

ⓒ
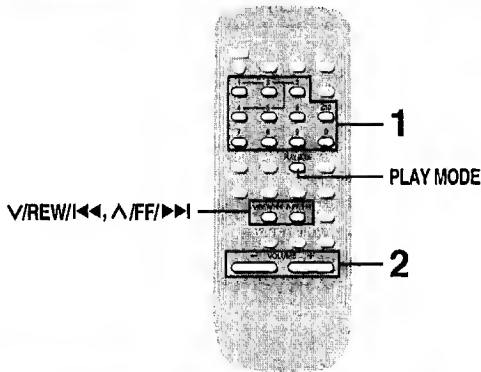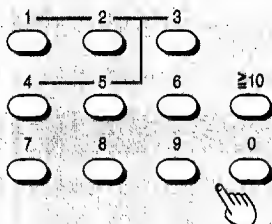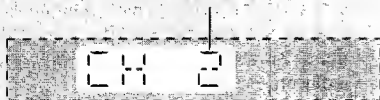
CDs

This unit can play CD-DA (digital audio) format audio CD-R and CD-RW that have been finalized (a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW) upon completion of recording.

It may not be able to play some CD-R or CD-RW due to the condition of the recording.

The unit contains five CD trays.

You can simply listen to the CD on a single tray, or you can select and listen to the CD in a particular tray. See the section on All-Disc play (➡ page 14) for information on how to listen to all the CDs one after the next.

Listening to the CD on a single tray

1 Press [⏏ OPEN/CLOSE] to open the disc tray and insert the CD.

The unit comes on automatically and tray 1 opens. Press [⏏ OPEN/CLOSE] again to close the tray.

2 Press [▶/II CD] to start play.

The selected CD is played from the first track to the last track in order. After the last track, the player stops automatically.

3 Adjust the volume.

To stop the disc
Press [■/–DEMO].

To pause play
Press [▶/II CD]. Press [▶/II CD] again to resume play.

Skipping tracks
Press [∨/REW/I◀◀] (backward) or [∧/FF/▶▶I] (forward).

Searching through tracks
During play or pause
Press and hold [∨/REW/I◀◀] (backward) or [∧/FF/▶▶I] (forward).

CD indicator
The CD indicator on the display lights whenever the tray is in the playing position whether is it loaded or not.

One touch play
If the unit is in standby mode and a CD is loaded, press [▶/II CD] or [CD 1] ~ [CD 5].
The unit will come on automatically and play will start.

A   CD selection and care

With this system, you can only play CDs having this mark. (ⓐ)
Do not;
• use irregularly shaped CDs. (ⓑ)
• attach extra labels and stickers.
• use CDs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers. (ⓒ)
• attach scratch-proof covers or any other kind of accessory.
• write anything on the CD.
• clean CDs with liquids. (Wipe with a soft, dry cloth.)
• use CDs printed with labels available on the market.

To prevent damage

Always observe the following points.
• Set the system on a flat, level surface.
  Do not set it on top of magazines, inclined surfaces, etc.
• Do not move the system while tray is opening/closing, or when loaded. Always unload all CDs before moving the system.
• Do not put anything except a CD in the tray.
• Do not use cleaning CDs or CDs which are badly warped or cracked.
• Do not disconnect the power mains lead from the household AC outlet during CD changing operation.

Listening to a CD placed in a specific tray

Preparation: Press [▶/II CD] and then [■/–DEMO].

Selecting the desired tray number and placing a CD in it

1 Press [⏏ CD CHANGE].

2 (Within about 10 seconds)

Press [CD 1] ~ [CD 5] to open the tray and insert the CD.

Press [⏏ CD CHANGE] again to close the tray.
Repeat steps 1 and 2 to insert other CDs. You can load up to 5 CDs.

Listening to the CD placed in a specific tray

3 Press [CD 1] ~ [CD 5] to start play.

The selected CD is played from the first track to the last track in order. After the last track, the player stops automatically.

4 Adjust the volume.

To remove the CD
While one CD is playing (except in All-Disc Random play or program play), you can change the CDs in the other trays.
① Press [⏏ CD CHANGE].
② Press [CD 1] ~ [CD 5].
Press [⏏ CD CHANGE] again to close the tray.

A To check which tray the CD is in (CD CHECK)

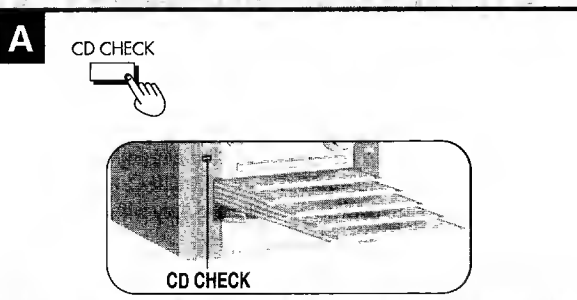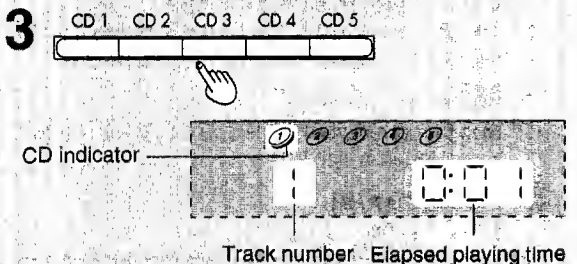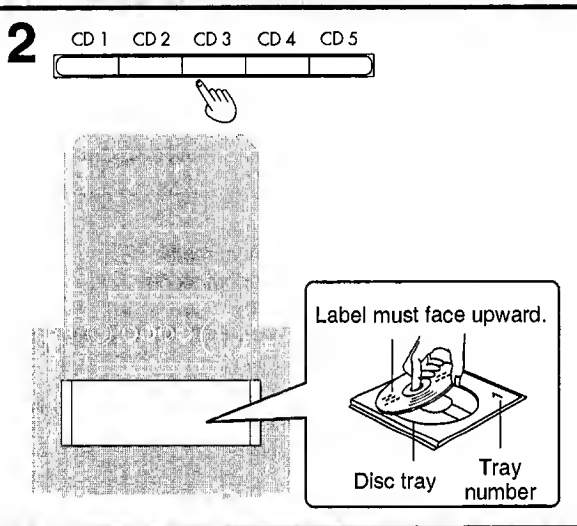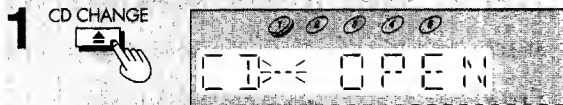The CD check feature lets you check whether a 12cm CD is in a tray.

Press [CD CHECK].
If the player is stopped, all trays will open.
If a CD is being played, the corresponding tray will not open.

Press [CD CHECK] again to close the trays.
• Do not remove or insert CDs during a CD check.
• Do not pull out the trays during a CD check.
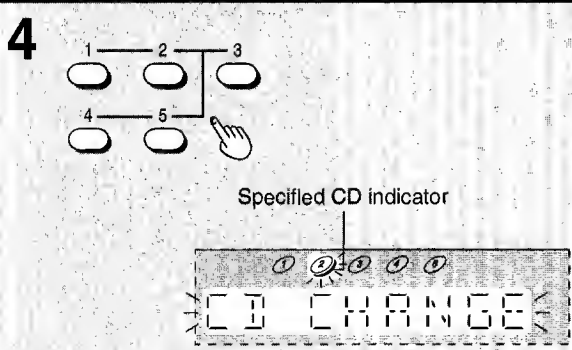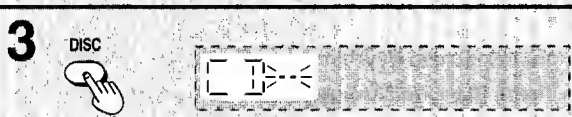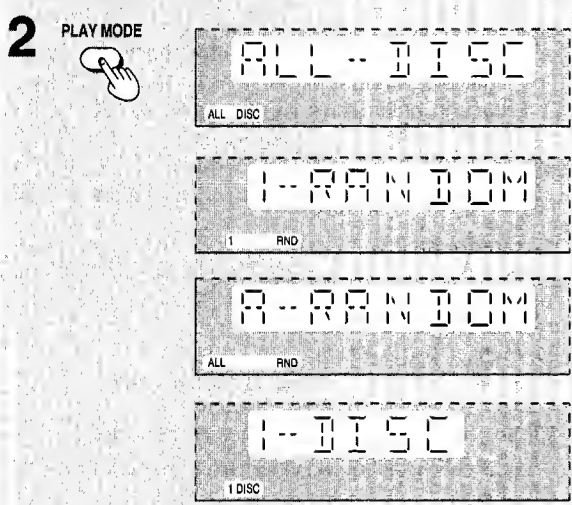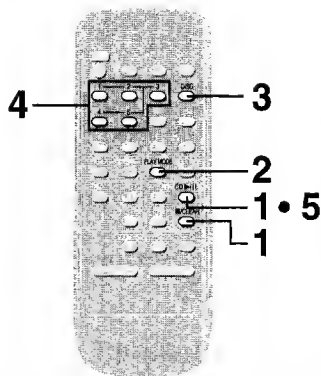
Listening operations

13

RQT6398

1 CD ▶/‖ → ■/CLEAR

```
 14      50:02
```

2 PLAY MODE

```
ALL-DISC
ALL  DISC
```

```
1-RANDOM
1      RND
```

```
A-RANDOM
ALL    RND
```

```
1-DISC
1 DISC
```

3 DISC

```
[ 1>-<
```

4

```
 1 — 2 — 3
 4 — 5
```

Specified CD indicator

```
① ②③ ④ ⑤
CD CHANGE
```

5 CD ▶/‖

```
① ② ③ ④ ⑤
 7      0:01
```
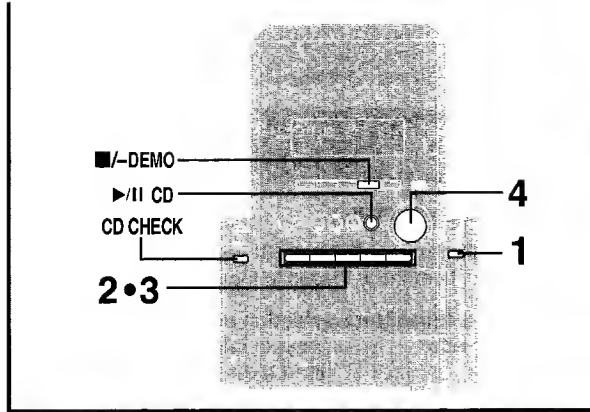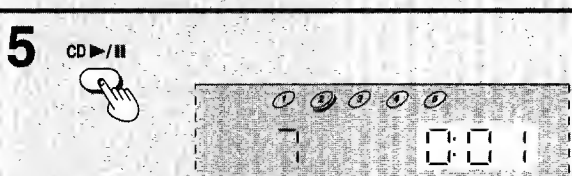
## Listening to specific CDs and tracks (CD Play Mode function)

By remote control only

This function makes it easier for you to select specific CDs and tracks from those loaded in the player.

There are 4 disc/track selection modes.

All-Disc mode : Plays all loaded discs in succession from the selected disc to the final disc ※.

1-Disc Random mode : Plays one selected disc in random order.

All-Disc Random mode : Plays all loaded discs in random order.

1-Disc mode : Plays one selected disc.

1 Press [CD ▶/‖] and then [■/CLEAR].

2 Press [PLAY MODE] to select the desired mode.

Every time you press the button:

```
┌→ ALL-DISC ⟶ 1-RANDOM ⟶ A-RANDOM ─┐
└──────────── 1-DISC ←──────────────┘
```
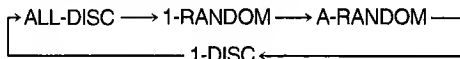
ALL-DISC : All-Disc mode
1-RANDOM : 1-Disc Random mode
A-RANDOM : All-Disc Random mode
1-DISC : 1-Disc mode

(The original display is restored in about 2 seconds.)

Note

Proceed to step 5 if A-RANDOM was selected in this step.

3 Press [DISC].

4 (Within 10 seconds)

Press [1]-[5] to select the disc.

The CD starts if 1-DISC, ALL-DISC or 1-RANDOM was selected in step 2.

Note

Step 5 is not required if 1-DISC, ALL-DISC or 1-RANDOM was selected in step 2.

5 Press [CD ▶/‖].

The CD starts.

To stop play

Press [■/CLEAR].

When playback ends

The current play mode will be retained.

※ Final disc

For example, if play starts from disc 4, disc 3 will be the "final disc".

Order of progression:

Disc 4→5→1→2→3

Note

• You can use the CD Play Mode function together with repeat play.

• During 1-DISC Random play or ALL-DISC Random play, you cannot skip to tracks which have already been played.

• During 1-DISC Random play or ALL-DISC Random play, you can search forward or backward only within the current track.

Listening operations

1 DISC

2 1 2 3 4 5

CD CHANGE

3 1 2 3 4 5 6 ≥10 7 8 9 0

7 0:01

A PLAY MODE

B DISPLAY

7 1:45

Remaining play time

Direct access play

<u>By remote control only</u>

Direct access allows you to start normal play from a specific track to the last track of the CD.

1 Press [DISC].

2 (Within 10 seconds or so)
Press [1] ~ [5] to select the disc you want.

3 Press the numeric button(s) to select the desired track number.
Play will start with the track you select.

To select a two-digit track
Press [≥10] and then the two numbers you want.
For example
Track no. 20: [≥10]→[2]→[0]
Track no. 35: [≥10]→[3]→[5]

Note
You cannot use direct access play with 1-RANDOM or A-RANDOM mode.

Repeat play

<u>By remote control only</u>

A Press and hold [PLAY MODE] before or during play.
"REPEAT ON" and "⟲" are displayed.

To cancel repeat play
Press and hold [PLAY MODE] once again. "REPEAT OFF" is displayed and "⟲" is cleared.

To repeat your favorite tracks
1. Program the tracks you want (perform steps 1 ~ 6 on page 16.)
2. Press and hold [PLAY MODE] and make sure "REPEAT ON" and "⟲" are displayed.
3. Press [CD ▶/II]. Playback will start.

To use repeat play with CD Play Mode function
Set the desired mode (→ page 14), press and hold [PLAY MODE] before or during playback, and make sure "REPEAT ON" and "⟲" are displayed.

B CD display

<u>By remote control only</u>

This function allows you to display the remaining play time of the current track.
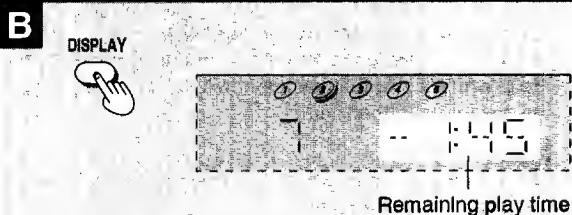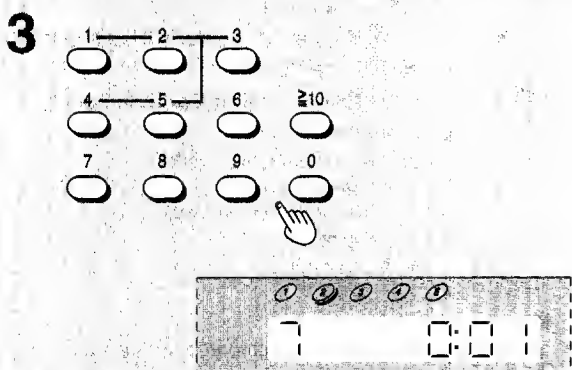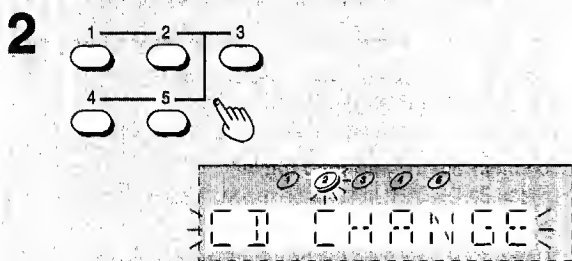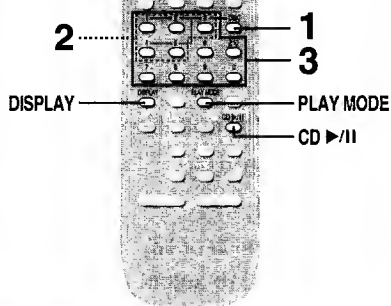
During play or pause mode
Press [DISPLAY].
Every time you press the button.

Elapsed play time ↔ Remaining play time

Note
When track number 25 or greater is playing, remaining play time display shows "– –:– –".

4 ⸺⸺⸺ **3**
⸺ **5**
⸺ **2**
V/REW/|◄◄, ∧/FF/►►| ⸺ **1•7**
⸺ **1**

CDs

Program play

This function allows you to program up to 24 tracks.

1 Press [CD ►/II] and then [■ /CLEAR].

2 Press [PROGRAM].

3 Press [DISC].

4 (within 10 seconds or so)
Press [1] – [5] to select the disc you want.

5 Press the numeric button(s) to select the track you want to play in the desired sequence.

6 Repeat steps 3 through 5 until you have programmed all the tracks you want.

7 Press [CD ►/II].
Play will start in the programmed sequence.

To cancel program play mode
Press [PROGRAM] in the stop mode.
Programmed contents will be saved in memory.

To clear all programmed tracks
Press [■/CLEAR] in the stop mode. "CLEAR" is displayed.

To select a two-digit track
Press [≧10] and then the two numbers you want.

A When "CD FULL" appears
The number of programmed tracks is limited to 24. No further tracks can be programmed.

B You can do the following during program mode:
- **Check program contents.**
  Press [V/REW/|◄◄] or [∧/FF/►►|].
  Every time you press one of the buttons, the track and program No. are shown on the display.
- **Add to the program.**
  Repeat steps 3 through 5.

Memory retention
Your program is retained in memory for about 1 week while the system is unplugged.

To replay your program
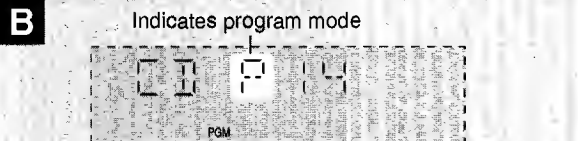If you turned OFF your program with [PROGRAM], you can play it again as explained below.
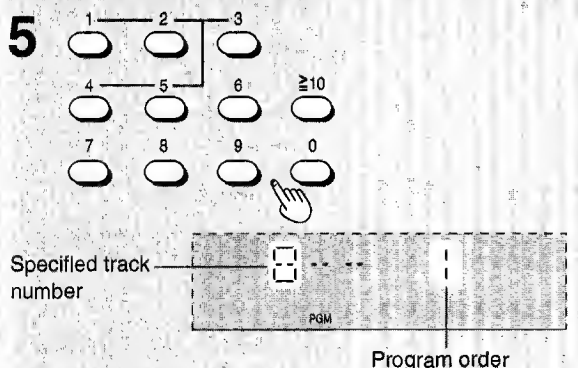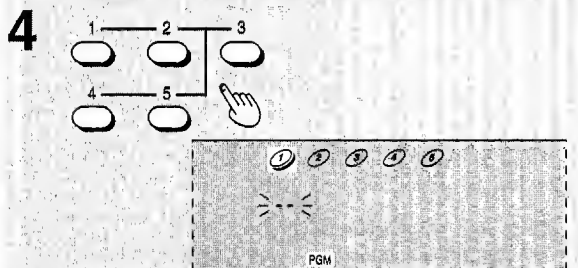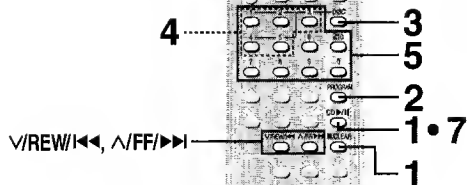1. Press [PROGRAM].
2. Press [CD ►/II].

If you program a track not on your CDs
The track is initially programmed, but during program play, the player will skip that track and will continue playing from the next programmed item.

Note
- During program play, you can search forward or backward only within the current track.
- During program play, skipping is always in the programmed order, whether forward or backward.

1 CD ►/II → ■/CLEAR

| 14 | 60:02 |

2 PROGRAM

3 DISC

4
1 — 2 — 3
4 — 5

5
1 — 2 — 3
4 — 5 — 6 — ≧10
7 — 8 — 9 — 0

Specified track number

Program order

7 CD ►/II

A
CD FULL

B Indicates program mode

Cassette tapes

1 Press [⏏ OPEN], insert a cassette with the tape facing in.

When the button is pressed, the unit comes on automatically. Make sure the cassette is fully inserted and close the lid by hand.

2 SC-PM27 only
Press and hold [PLAY MODE] on the remote control to select the reverse mode.

Every time you press and hold the button:

⇄ → ⇄⊃ → ⊂⇄⊃
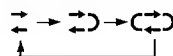
⇄ : One side is played.
⇄⊃ : Both sides are played.
⊂⇄⊃ : Both sides are played repeatedly until [■/−DEMO] is pressed.

3 SC-PM27
Press [◀ ▶ TAPE] to start playback.

Every time you press the button : ◁ R ↔ F ▷
F ▷ : The forward side (front side) will play.
◁ R : The reverse side will play.

SC-PM17

Press [▶ TAPE] to start playback.

One side is played, then playback stops automatically. To play on the other side of the tape, turn the tape over and press [▶ TAPE].

4 Adjust the volume.

To stop tape playback
Press [■/−DEMO].

One-touch play
When the system is OFF and a tape is already inserted, play starts automatically when you press [◀ ▶TAPE] ([▶ TAPE] for SC-PM17).

Cassette tape selection and care

Use normal position tapes.
High position and metal position tapes can be played, but the unit will not be able to do full justice to the characteristics of these tapes.
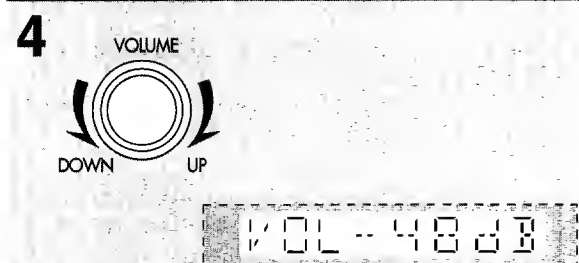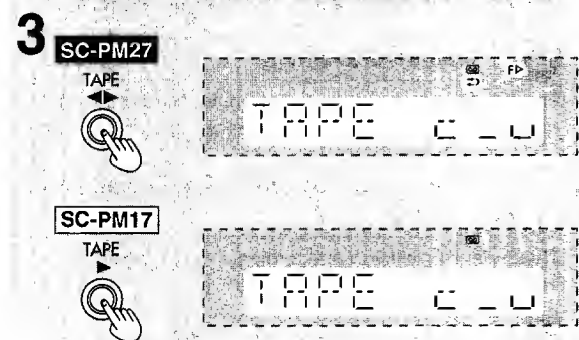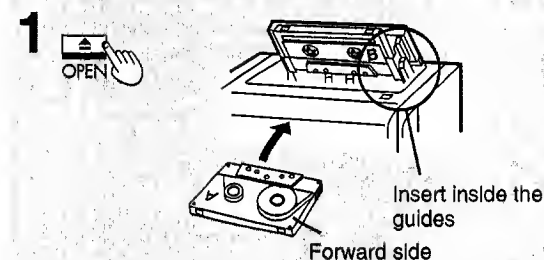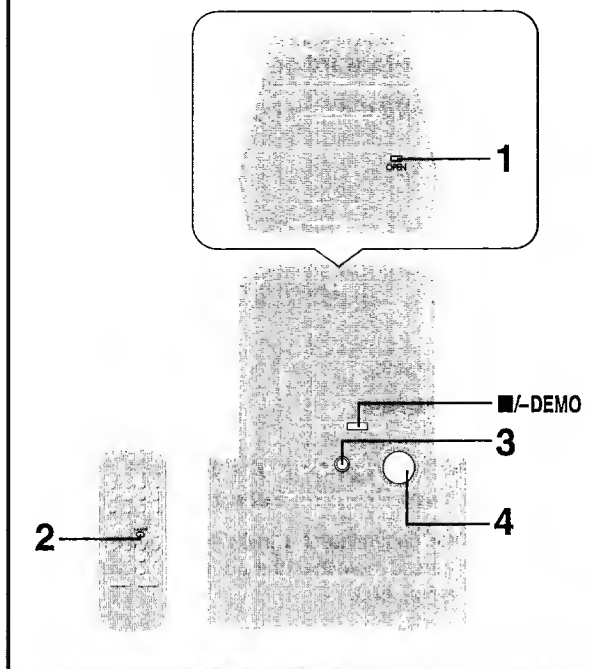
- Tapes exceeding 100 minutes are thin and can break or get caught in the mechanism.
- Tape slack can get caught up in the mechanism and should be wound up before the tape is played.
- SC-PM27
Endless tapes can get caught up in the deck's moving parts if used incorrectly. Use tapes appropriate to this unit's auto-reverse mechanism.
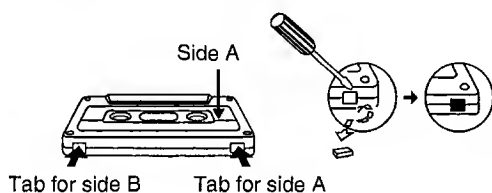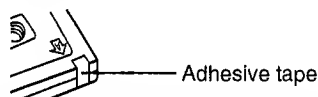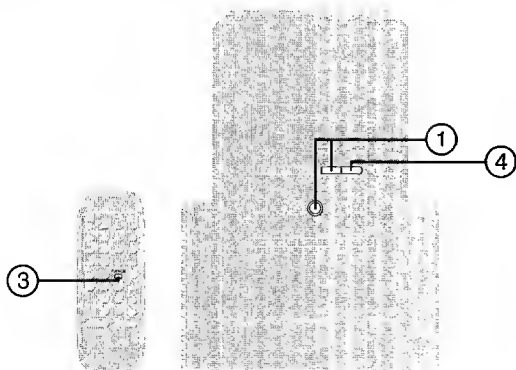- SC-PM17
Failure to operate endless tapes correctly may cause the tape to wind around the revolving parts. Always read the instructions provided with your tapes.

Insert inside the guides
Forward side

Listening operations

TAPE ▣ _ ▣

SC-PM27
TAPE
◀▶
TAPE ⊂ _ ∪

SC-PM17
TAPE
▶
TAPE ⊂ _ ∪

VOLUME
DOWN   UP

VOL - 48dB

V/REW/I◀◀, ∧/FF/▶▶I

To protect tapes against further recording.

Side A

Tab for side B   Tab for side A

To re-record
Normal position tape

Adhesive tape

① ④

③

Cassette tapes

A   To fast-forward or rewind the tape

Press [V/REW/I◀◀] or [∧/FF/▶▶I] in the stop mode.

SC-PM27

Tape direction	To rewind	To fast-forward
" F ▷ "	[V/REW/I◀◀]	[∧/FF/▶▶I]
" ◁ R "	[∧/FF/▶▶I]	[V/REW/I◀◀]

SC-PM17

To rewind	To fast-forward
[V/REW/I◀◀]	[∧/FF/▶▶I]

To find the beginning of a program (TPS: Tape Program Sensor)

TPS finds the beginning of a track and resumes play from there. Each press increases the number of tracks skipped, up to a maximum of 9.

Press [V/REW/I◀◀] or [∧/FF/▶▶I] during play.

Notes

The TPS function searches for silent parts of about 4 seconds in length which are normally found between tunes. As a result, it may not function properly in the following cases:
• With short silent parts
• When noise occurs between tunes
• With silent parts found within tunes

Before recording

Types of tapes which can be recorded correctly

Use normal position tapes.
High position and metal position tapes can be used, but the unit will not be able to record or erase them correctly.

B   Erasure prevention

The illustration shows how to remove the tabs to prevent recording. To record on the tape again, cover as shown.

The effect of volume and sound quality on recording

These have no effect on recording.
They can be changed for playback.

C   To erase a recorded sound

①Press [◀ ▶ TAPE] ([▶ TAPE] for SC-PM17) and then [■/–DEMO].
②Insert the recorded cassette with the tape facing in.
③**SC-PM27** only
   Press and hold [PLAY MODE] on the remote control to select reverse mode.
④Press [●REC/II].

Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

Before recording

A   Preparatory steps

Do these steps before each recording.
Wind up the leader tape so recording can begin immediately.
Preparation: Press [◄ ► TAPE] ([►TAPE] for SC-PM17)
             then [■/–DEMO] to select tape as the source.

1 **Press [⏏ OPEN], insert a cassette with the tape facing in.**
Make sure the cassette is fully inserted and close the lid by hand.
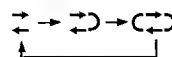The tape direction is automatically set to "F ▷" for SC-PM27 only.

> **To record on the reverse side (SC-PM27 only)**
> Press [◄ ► TAPE] twice, then press [■/–DEMO].

2 **SC-PM27** only
Press and hold [PLAY MODE] on the remote control to select the reverse mode.
Every time you press and hold the button:

$$\overrightarrow{} \rightarrow \overrightarrow{\supset} \rightarrow (\overrightarrow{\supset})$$

$\overrightarrow{}$: One side only records.
$\overrightarrow{\supset}$, $(\overrightarrow{\supset})$: Both sides record (forward → reverse).
"$(\overrightarrow{\supset})$" automatically changes to "$\overrightarrow{\supset}$" when [● REC/II] is pressed.

B   Recording from the radio

Preparation: Do the preparatory steps (see above).

1 **Tune to the required station.**
(➡ page 10 or 11)

2 **Press [●REC/II] to start recording.**

To stop recording
Press [■/–DEMO].

To cut an unnecessary part while recording
1. Press [● REC/II] during the unnecessary part. The cassette deck will go into the stop mode.
2. Press [● REC/II] to resume recording again. Recording will continue in the same direction as before.

SC-PM17
To record on the other side of the tape
Turn the tape over and press [● REC/II].

Note
When recording an AM broadcast, sound is momentarily interrupted when you start and stop the recording.

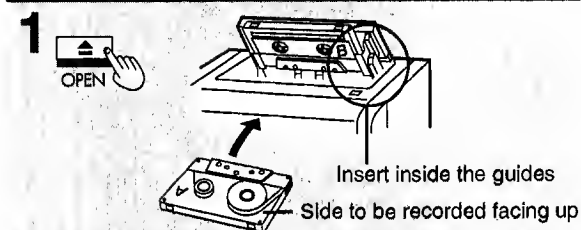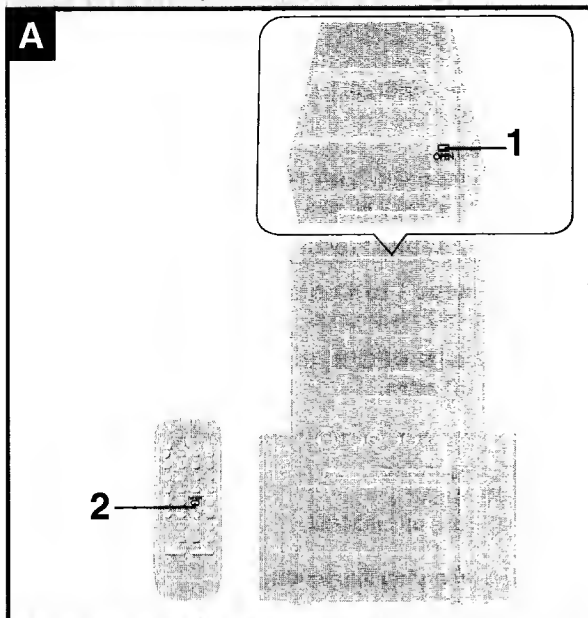**C To reduce noise while recording an AM broadcast (Beat proof function)**

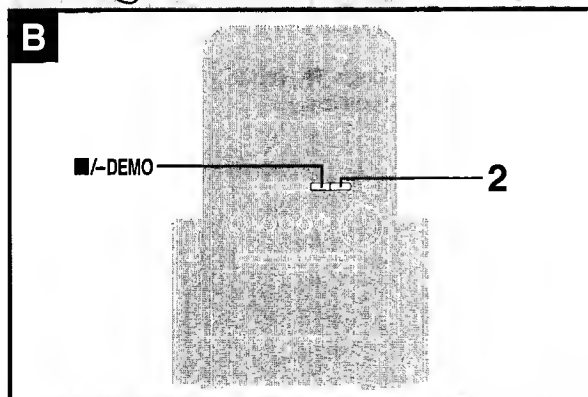**By remote control only**

Press and hold [PLAY MODE] while recording.
Every time you press the button:
BP1 ↔ BP2
Select the position where there is less noise.

A

■/-DEMO ——————————————— **2**

2   ● REC/II

SC-PM27

| 🔁 | F▷ REC |

SC-PM17

| 🔁 | REC |

B

Front side | 1 | 2 | 3 | 4 | 5 |
Reverse side | 9 | 8 | 7 | 6 | 5 |
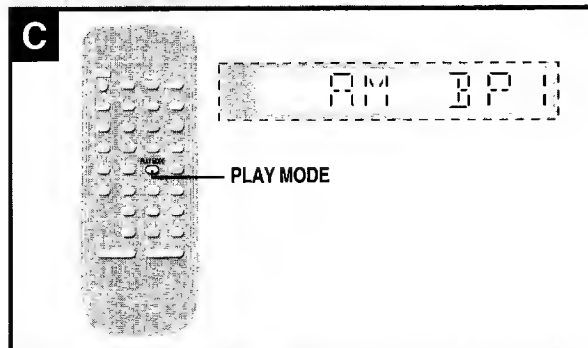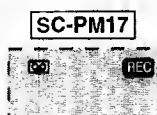
The interrupted track is re-recorded in its entirety on the reverse side

A Recording CDs

You can use 1-DISC/ALL-DISC mode (➡ page 14) to make recordings.

Preparation:
• Do the preparatory steps (➡ page 19).
• Insert the CD(s) you want to record (➡ page 12).

1-DISC/ALL-DISC recording

1   **Do steps 1 to 4 on page 14.**
Ensure CD is stopped.

2   **Press [● REC/II] to start recording.**
The CD starts.

To stop recording
Press [■/–DEMO].
CD play stops automatically.

To stop recording temporarily
Press [● REC/II].
To resume recording, press [● REC/II].

SC-PM27
• **B** While recording, if a track is cut off in the middle at the end of the front side, it is re-recorded from the beginning, on the reverse side.
• At the end of the reverse side, recording stops and the current track will be interrupted.

If the tape finishes before the CD
The CD continues playing. Press [■/–DEMO] to stop it.

To record programmed tracks
① Program the tracks (➡ page 16).
② Press [●REC/ II] to start recording.
Play starts.
To stop recording, press [■/–DEMO].
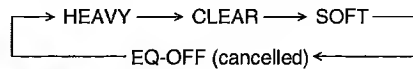Disc play stops automatically.

Recording operations

A Using the built-in sound quality settings

You can choose one of three types of sound quality.
ⓐ **HEAVY:** Adds punch to rock
ⓑ **CLEAR:** Clarifies higher sounds
ⓒ **SOFT:** For background music

Press [PRESET EQ] to select a setting.

Each time you press the button:

```
┌──→ HEAVY ──→ CLEAR ──→ SOFT ──┐
└────── EQ-OFF (cancelled) ◄─────┘
```

Note
- Preset EQ cannot be used together with Super Sound EQ.
- Changes to sound quality do not affect recordings.

B Enhancing the sound quality

This feature enhances the bass and treble effect of the sound.

Press [SUPER SOUND EQ].
Remote control: Press [S.SOUND EQ].

Press the button again to cancel.
The button light goes out (for SC-PM27 only).

C Using an external unit

Listening to an external source

(See page 7 for external unit connection.)
① Press [AUX].
② Start playback from the external source. (Refer to your equipment's operating instructions.)
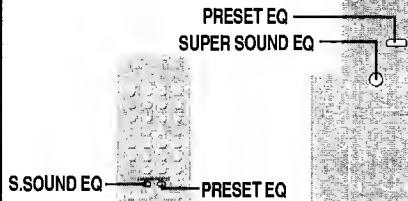
Recording from an external source

① Insert the tape to be recorded on.
② Press [AUX].
③ Press [●REC/Ⅱ] (recording starts).
④ Start playback from the external source. (Refer to your equipment's operating instructions.)

D Listening with headphones

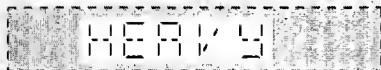Reduce the volume level, and connect the headphones.
Plug type: 3.5 mm stereo.

Note
Avoid listening for prolonged periods of time to prevent hearing damage.
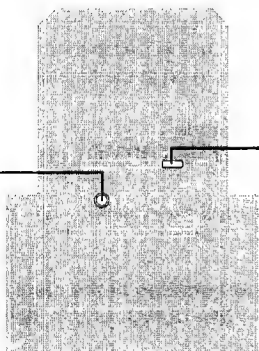

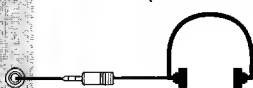**A** PRESET EQ

HEAVY

B SC-PM27 | SC-PM17
SUPER SOUND EQ | SUPER SOUND EQ

C AUX | ●REC/Ⅱ

D Headphones (not included)

PRESET EQ
SUPER SOUND EQ
S.SOUND EQ — PRESET EQ

Timers and others
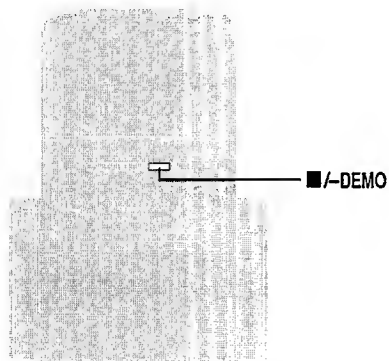
SLEEP
—AUTO OFF
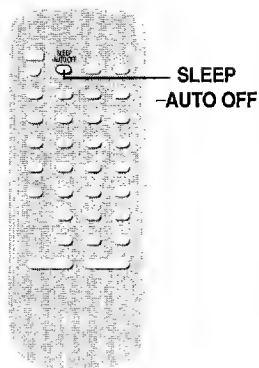
SLEEP
—AUTO OFF

AUTO OFF

■/–DEMO

■/–DEMO
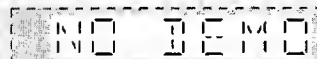
NO DEMO

A Auto-off function

By remote control only

When CD or tape is selected as the source
To save power, the unit turns off if it is left unused for ten minutes.

Note
This function does not work if the source is tuner or AUX.

Press and hold [–AUTO OFF].
"AUTO OFF" is shown on the display.

To cancel
Press and hold [–AUTO OFF] again to clear "AUTO OFF" from the display.

For your reference
The setting is maintained even if the unit is turned off. When the unit is turned on again, "AUTO OFF" is displayed and the unit functions as described above.
"AUTO OFF" disappears from the display if either tuner or AUX is selected as the source but continues to function normally.
"AUTO OFF" remains displayed if CD or tape is selected as the source.

B Turning the demo function off

If the clock has not been set, a demonstration of the display is shown when the unit is switched to standby mode.
This function is set to on at the time of purchase.

During standby mode
Press and hold [■/–DEMO] until "NO DEMO" is displayed.
The display changes each time the button is held down.
NO DEMO (off) ↔ (demo on)

To show a demonstration of the display
Press and hold [■/–DEMO] until a demonstration of the display is shown.

Note
• You cannot turn demo function off when the unit is on.
• DEMO function cannot be turned on when Dimmer is on.

A

1 —
3 —
2 • 4 —

1 ⏻

2 CLOCK/TIMER

CLOCK → 30:00

3 ∨/REW/I◄◄ ∧/FF/►►I

18:30

4 CLOCK/TIMER

18:30

DIMMER

MUTING

B
DIMMER

C
MUTING

MUTING

By remote control only

This is a 24-hour clock.

The example shows how to set the clock for 18:30.

1 Press [⏻] to turn the unit on.

2 Press [CLOCK/TIMER] to select "CLOCK".

Every time you press the button:

→ CLOCK → ⏰ PLAY → ⏰ REC ─┐
└─────── Original display ←────────┘

3 Within 7 seconds

Press [∨/REW/I◄◄] or [∧/FF/►►I] to set the time.

Press and hold to change the time faster.

4 Press [CLOCK/TIMER].

The time is set and the original display is restored.

Displaying the clock when the unit is ON:

Press [CLOCK/TIMER].

The clock is shown for about 5 seconds.

Note

The clock may lose or gain some time over a period. Readjust if necessary.

Convenient functions

B To dim the display panel

By remote control only

Use this when you are going to sleep or any other time you would prefer the panel to be dimmer.

Press [DIMMER].

The display dims and all lights are turned off except for [AC IN] indicator and the backlight of the CD changer.

To cancel

Press [DIMMER] again.

C To mute the volume

By remote control only

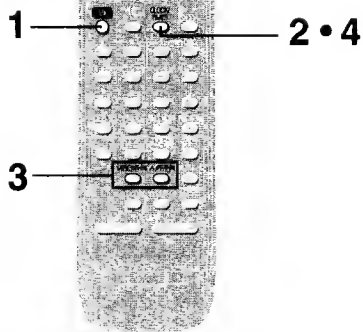This feature is convenient when you have a telephone call, etc.

Press [MUTING].

Press the button again to cancel. ("MUTING" goes out.)

Muting can also be cancelled by lowering the volume all the way to "--dB".

When the system is turned off, the muting operation will be automatically cancelled.

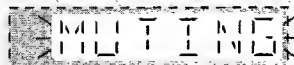*Timers and others*

CAUTION!

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION!

- DO NOT INSTALL, OR PLACE THIS UNIT, IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.
- DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
- DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

When moving the unit

1 Remove all discs.

2 Press [⏻/I] to turn the unit off.

3 Disconnect the AC mains lead.

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VAROITUS!

- ÄLÄ ASENNA TAI LAITA TÄTÄ LAITETTA KABINETTITYYPPISEEN KIRJAKAAPPIIN TAI MUUHUN SULJETTUUN TILAAN, JOTTA TUULETUS ONNISTUISI. VARMISTA, ETTÄ VERHO TAI MIKÄÄN MUU MATERIAALI EI HUONONNA TUULETUSTA, JOTTA VÄLTETTÄISIIN YLIKUUMENEMISESTA JOHTUVA SÄHKÖISKU- TAI TULIPALOVAARA.
- ÄLÄ PEITÄ LAITTEEN TUULETUSAUKKOJA SANOMALEHDELLÄ, PÖYTÄLIINALLA, VERHOLLA TAI MUULLA VASTAAVALLA ESINEELLÄ.
- ÄLÄ ASETA PALAVAA KYNTTILÄÄ TAI MUUTA AVOTULEN LÄHDETTÄ LAITTEEN PÄÄLLE.
- HÄVITÄ PARISTOT LUONTOA VAHINGOITTAMATTOMALLA TAVALLA.

VAROITUS:

TULIPALO-, SÄHKÖISKUVAARAN TAI TUOTETTA KOHTAAVAN MUUN VAHINGON VÄHENTÄMISEKSI EI LAITETTA SAA ALTISTAA SATEELLE, KOSTEUDELLE, VESIPISAROILLE TAI ROISKEELLE, EIKÄ NESTETTÄ SISÄLTÄVIÄ ESINEITÄ, KUTEN ESIMERKIKSI MALJAKOITA, SAA ASETTAA LAITTEEN PÄÄLLE.

NORSK

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER. BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVENT I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING.
DEKSLER MÅ IKKE ÅPNES, OG FORSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND. ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL!

- APPARATET MÅ IKKE PLASSERES I EN BOKHYLLE, ET INNEBYGGET KABINETT ELLER ET ANNET LUKKET STED HVOR VENTILASJONSFORHOLDENE ER UTILSTREKKELIGE. SØRG FOR AT GARDINER ELLER LIGNENDE IKKE FORVERRER VENTILASJONSFORHOLDENE, SÅ RISIKO FOR ELEKTRISK SJOKK ELLER BRANN FORÅRSAKET AV OVERHETING UNNGÅS.
- APPARATETS VENTILASJONSÅPNINGER MÅ IKKE DEKKES TIL MED AVISER, BORDDUKER, GARDINER OG LIGNENDE.
- PLASSER IKKE ÅPEN ILD, SLIK SOM LEVENDE LYS, OPPÅ APPARATET.
- BRUKTE BATTERIER MÅ KASSERES UTEN FARE FOR MILJØET.

ADVARSEL:

FOR Å REDUSERE FAREN FOR BRANN, ELEKTRISK STØT ELLER SKADER PÅ PRODUKTET, MÅ DETTE APPARATET IKKE UTSETTES FOR REGN, FUKTIGHET, VANNDRÅPER ELLER VANNSPRUT. DET MÅ HELLER IKKE PLASSERES GJENSTANDER FYLT MED VANN, SLIK SOM BLOMSTERVASER, OPPÅ APPARATET.